

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A multi-stack optical data storage medium for recording using a focused radiation beam having a wavelength  $\lambda$  and entering through an entrance face of the medium during recording, comprising:

- a first substrate with present on a side thereof:
- a first recording stack named  $L_0$ , comprising a recordable type  $L_0$  recording layer, and formed in a first  $L_0$  guide groove, the  $L_0$  recording layer having a thickness  $d_{L0G}$  in the groove and a thickness  $d_{L0L}$  adjacent the groove, and a first reflective layer present between the  $L_0$  recording layer and the first substrate,
- second substrate with present on a side thereof:
- a second recording stack named  $L_1$  comprising a recordable type  $L_1$  recording layer, the  $L_1$  recording layer having a thickness  $d_{L1G}$  in the groove and a thickness  $d_{L1L}$  adjacent the groove, said second recording stack being present at a position closer to the entrance face than the  $L_0$  recording stack and formed in a second  $L_1$  guide groove,
- a transparent spacer layer sandwiched between the recording stacks, said transparent spacer layer having a thickness substantially larger than the depth of focus of the focused

radiation beam,

characterized in that the depth of the first  $L_0$  guide groove is smaller than  $0.15\lambda$  and that  $d_{L0L}$  is substantially equal to or larger than  $d_{L1G}$ .

2. (original) A multi-stack optical data storage medium according to claim 1, wherein  $d_{L0G}$  is substantially equal to or larger than  $2d_{L1L}$ .

3. (original) A multi-stack optical data storage medium according to claim 1, wherein the recordable type  $L_0$  and  $L_1$  recording layers comprise an organic dye.

4. (original) A multi-stack optical data storage medium according to claim 3, wherein  $d_{L1G}$  is larger than  $d_{L1L}$ .

5. (original) A multi-stack optical data storage medium according to claim 4, wherein a dielectric layer is present at a side of the  $L_0$  recording layer opposite from the side where the first reflective layer is present.

6. (original) A multi-stack optical data storage medium according to claim 5, wherein the dielectric layer has a thickness in the

range of 5 nm - 120 nm.

7. (original) A multi-stack optical data storage medium according to claim 4, wherein a second reflective layer comprising a metal is present at a side of the  $L_0$  recording layer opposite from the side where the first reflective layer is present.

8. (original) A multi-stack optical data storage medium according to claim 7, wherein the second reflective layer has a thickness in the range of 5 nm -15 nm.

9. (currently amended) A multi-stack optical data storage medium according to claim 7-~~or 8~~, wherein the second reflective layer mainly comprises a metal selected from the group of Ag, Au and Cu.

10. (currently amended) Use of an optical data storage medium as claimed in ~~any one of the preceding claims~~claim 1 for multi stack recording with a reflectivity level of the first recording stack  $L_0$  as such of more than 50% and modulation of recorded marks in the  $L_0$  recording layer of more than 60%.